Compact cylinder
ADNGF-100-50-PPS-A

Part number: 577230



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	100 mm
Based on norm	ISO 21287
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Structural design	Piston Piston rod Profile barrel
Position sensing	Via proximity switch
Protection against torsion/guide	Guide rod with yoke
Operating pressure	0.14 MPa...1 MPa 1.4 bar...10 bar
Mode of operation	Double-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...80 °C
Impact energy in the end positions	2.5 J
Cushioning length	10 mm
Theoretical force at 6 bar, retracting	4524 N
Theoretical force at 6 bar, advancing	4712 N
Moving mass	1302 g
Product weight	2808 g
Pneumatic connection	G1/8
Note on materials	RoHS compliant
Flange screws material	Steel
Cover material	Die-cast aluminum, coated
Seals material	TPE-U(PUR)
End plate material	Wrought aluminum alloy, anodized
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized